

VIDEOSPA



INSTRUCTION MANUAL

19" HD Widescreen Water Resistant Television

VSPA19LCD-AE1B

Model No. **VSPA19LCD-AE1M**

VSPA19LCD-AE1W



**FINGER TOUCH
TECHNOLOGY**

IP65

RATED

IMPORTANT: Please read these instructions before installing and operating the unit.
Retain them for future reference.

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SAFETY PRECAUTIONS

Handling the Power Supply Unit (PSU)

- Ensure the PSU is disconnected from the mains supply before connecting to the TV.
- Ensure the Earth pin on the mains plug is connected correctly.
- Do not use any PSU other than the one provided by Videotree.
- Ensure there is always easy access to the mains supply of the PSU.

Power source

- The TV requires an AC power source between 100-240V, 50/60Hz

Do not expose rear of the TV to water or moisture

- The TV is IP65 rated against water from the front, only after it has been correctly installed. See installation instructions for more information.

Do not remove the back cover

- There is risk of electric shock.
- There are no user serviceable parts inside.

Do not expose to direct sunlight

- Avoid exposing the TV to direct sunlight. This can cause damage to the LCD.

2 persons installation required.

- The TV is heavy and requires 2 person handling.
- Do not insert or remove the TV from the wall frame with just 1 person.

Backbox

- The Backbox is essential for environments where the TV will be subject to direct water e.g. under a shower.
- The Backbox is recommended for use with concrete walls.

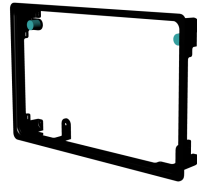
WARNING: THIS TV MUST BE EARTHED.

DO NOT INSTALL WITHOUT A SAFE EARTH CONNECTION.

WHAT'S IN THE BOX



1 x Videospa TV



1 x Wall Frame
with Magnets



1 x Master Remote



2 x AAA Batteries
(Master Remote)



1 x Videospa Waterproof Remote *



1 x Silicone Grease Tube

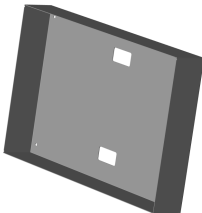


1 x Power Supply

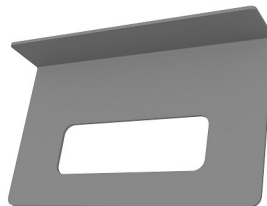


1 x Power Lead

OPTIONAL EXTRAS

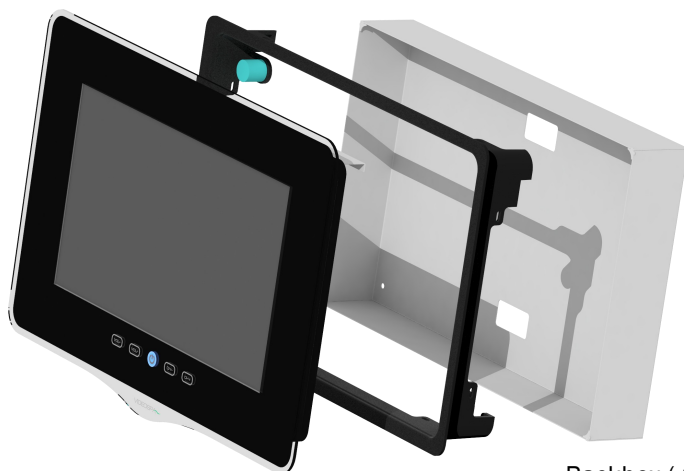


Installation Backbox



Removal Tool

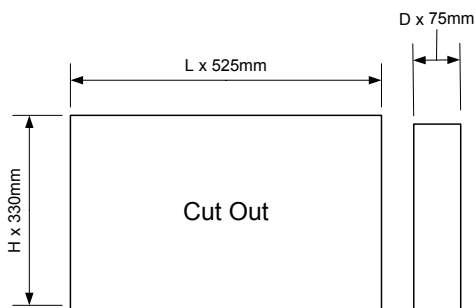
INSTALLATION PROCEDURE



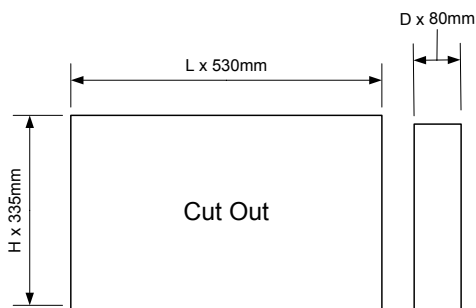
Backbox (Optional) *

CUT OUT DIMENSIONS

Without Backbox



With Backbox

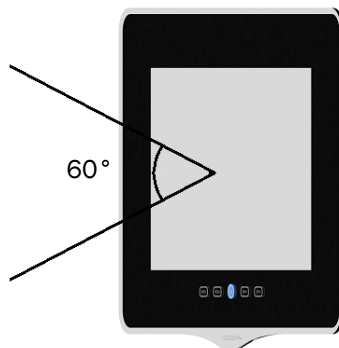
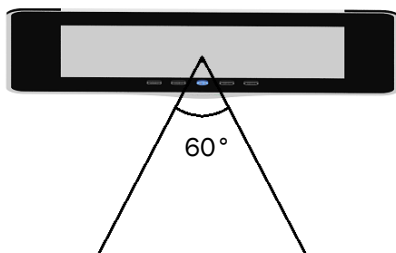


* The Backbox is essential for environments where the TV will be subject to direct water e.g. under a shower. The Backbox is recommended for use with concrete walls.

Please contact Videotree for information about an installation training course.

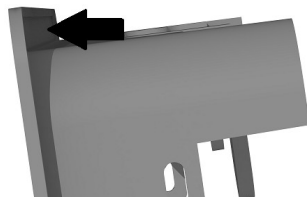
INSTALLATION PROCEDURE

OPTIMAL VIEWING ANGLES



INSTALLATION

1. Using the cutout template, mark the area on the wall where the TV will be positioned. Cut out this area. Take care ensuring the cut is accurate to ensure the frame and the Backbox* (if it's installed) are not distorted when fitted.
2. Position the Backbox into the wall, it must fit against the wall edge. Screw into position. Fill in any gaps with grout, between the Backbox and wall, and leave to set before continuing.
3. Run a generous amount of silicone sealant along the back of the lip of the wall frame. Insert the frame into the wall**. It is extremely important the silicone completely fills the entire gap between wall and the frame. Failure to do so will invalidate your guarantee and will null and void the manufacturer's



NOTE:

* If a Backbox is installed, please take into account the cables that are connected to the TV. Give some space to let the cables run properly without any damage. Make sure that the cables (power, aerial, HDMI) are passed through the holes, before the box is fitted into the wall.

** It is the installer's responsibility to ensure that the Videotree unit is installed and sealed correctly. Failure to do so will invalidate your guarantee and will null and void the manufacturer's 12 month warranty from date of purchase.

To prevent injury, the Videotree unit must be securely attached to the wall in accordance with the installation instructions.

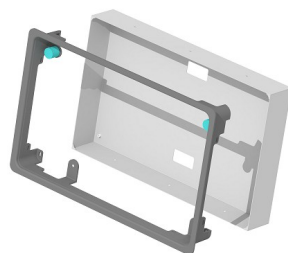
INSTALLATION PROCEDURE

4. Screw the frame into position.

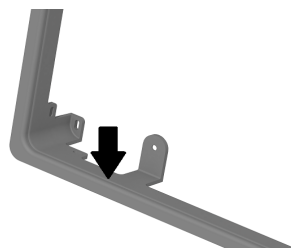
If a Backbox is used then use the screws provided to fix the wall frame to the Backbox at the 4 corners.

If a Backbox is not used then fix the wall frame straight to the wall using the multiple fixing holes that are available. The frame must be fitted with at least one fixing hole in each corner. Take care not to over tighten & bend the frame.

Clean off the excess silicone sealant. Leave to set before continuing installation.



5. Smear a generous amount of the silicone grease provided along the inside edge of the wall frame and along the rubber seal of the TV.



6. Ensure the power supply is disconnected from the main supply. Connect the leads into the rear of the TV and push the TV into the frame. You will hear the magnets 'click' when the TV is in position.



7. Connect the power supply to the main outlet and turn it on. A red light will glow around the standby icon and the TV is now ready to use.

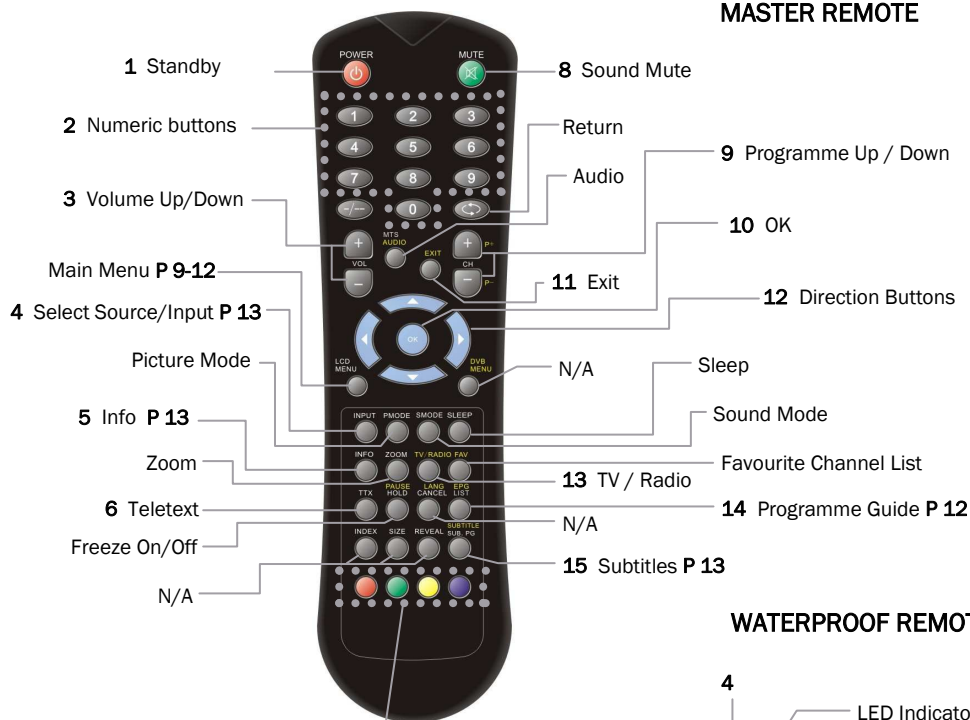
TV REMOVAL

The TV must only be removed with the Videotree removal tool, following the instructions provided with it.

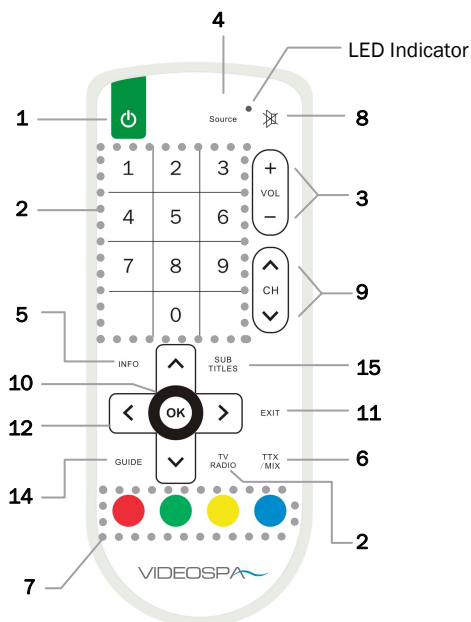
Contact your distributor for information about purchasing a removal tool.

CONTROL REMOTES

MASTER REMOTE



WATERPROOF REMOTE

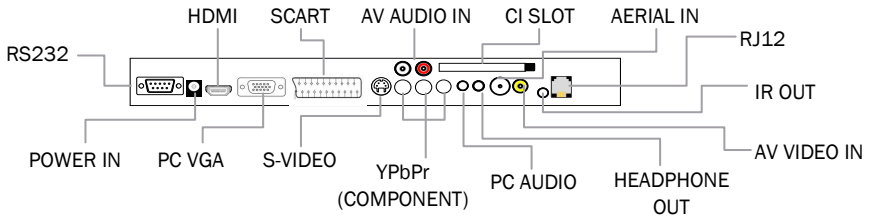


7 Red, Green, Yellow, Blue Buttons: Selection, navigation and operation of various services. *Factory Reset, Touch, Beep & POWER LED's Flashing control buttons (the TV must be off/STBY. to change these settings) **P 9-10**

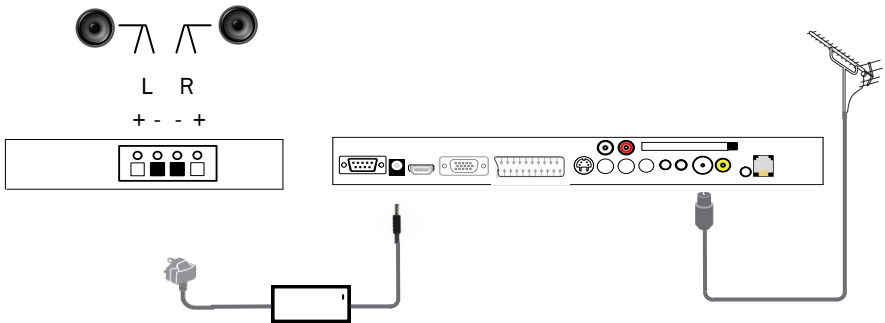
* Only the Master Remote can access the Touch, Beep, POWER LED's Flashing settings. These are active only when the TV is OFF/STBY. Please go to **P 9-10** for all the information.

BASIC CONNECTIONS

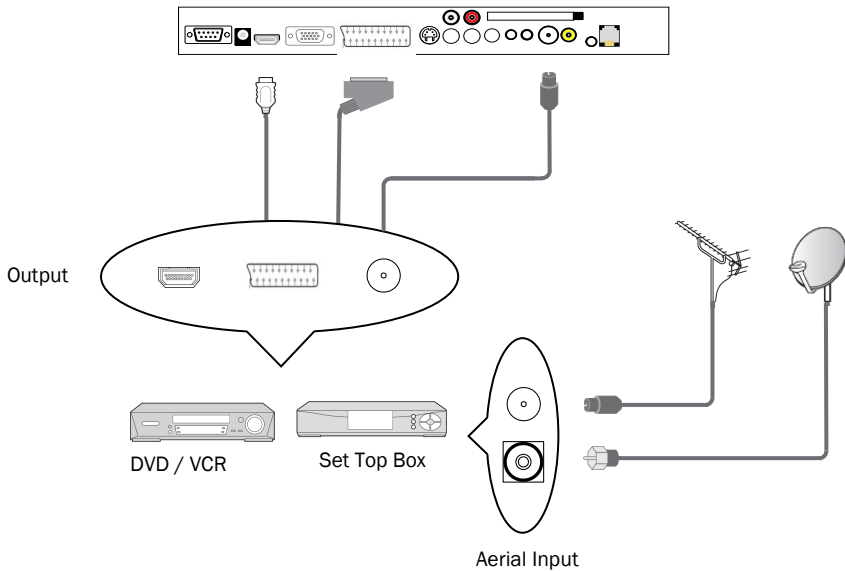
CONNECTIONS



AERIAL, SPEAKERS & POWER



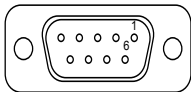
HDMI & SCART



EXTENDED CONNECTIONS

RS232 CONNECTOR

DB9 female connector. This port allows external equipment to send and acknowledge commands for control the Videospa TV. A standard RS232 cable should be used.



Pin	Signal
2	Tx
3	Rx
5	Ground

RS232 Protocol	
Baud Rate:	9600 bps
Bits:	8
Parity:	None
Stop Bit:	1

COMMAND SEQUENCE

A0 + F0 + 55 + FF + **Code** + **Check-Sum**. Code + Check Sum = 100 Hex

e.g. : Turn On: Code Checksum Complete Sequence
 E1 1F A0 F0 55 FF E1 1F

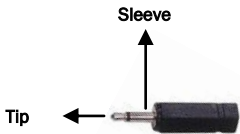
Every valid command is acknowledged with the two string character “OK”.

Full commands are listed in Appendix A.

IR

The TV use an RJ12 connection for IR OUT & Standby Line, and a 3.5mm mono socket for IR OUT.

IR OUT



Pin	Signal
Sleeve	Ground
Tip	IR OUT

RJ12 Socket

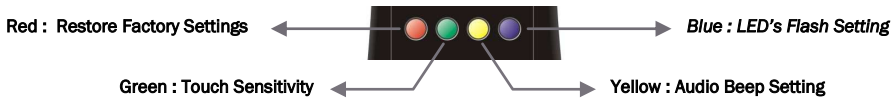


6 .. 1

Pin	Signal
1	N/A
2	N/A
3	N/A
4	Standby (On=5V , Standby = 0V)
5	Ground
6	IR OUT

TOUCH CONTROL SETTINGS

The Videospa TV has 3 different settings that improves the customer experience. To have access to these settings, the TV must be in STANDBY/OFF mode and only the master remote can be used. The waterproof remote has been locked to prevent any changes from unauthorised users.



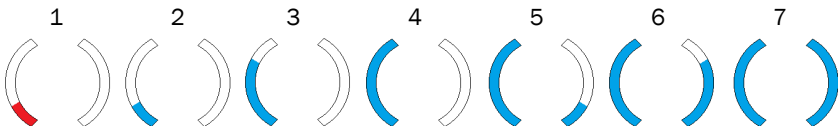
RESTORE FACTORY SETTINGS

1. Ensure TV is in standby. Press the RED button on the MASTER remote.
2. All the LED's go off and after 2 seconds the standby LED's go on (all red).

TOUCH SENSITIVITY SETTING

The touch system has 7 different levels from off to maximum sensitivity. The factory default setting is 5.

1. Ensure TV is in standby. Press the GREEN button on the MASTER remote.
2. Scroll up or down with the arrow keys and save the changes with the OK button.
3. All the LED's go off and after 2 seconds the standby LED's go on (all red).



Level 1 - Touch control is disabled.

The touch will not respond to anything.

Level 2 - Touch control is at its least sensitive.

There is minimum risk of false activation. A strong finger press is required to activate.

Level 5 - This is the default setting.

This level is suitable for most environments. A change of level from this is only required if you experience false activation of the touch control.

Level 7 - Touch control is at its maximum sensitivity.

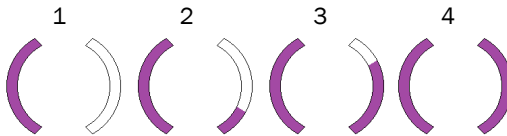
There is maximum risk of false activation, so only use for clean & dry environments. The touch will respond to a very light finger press

TOUCH CONTROL SETTINGS

AUDIO BEEP SETTING

For this setting there are 4 levels that enable/disable the audio beep response to touch and remote uses. The factory default setting is 2.

1. Ensure TV is in standby. Press the YELLOW button on the MASTER remote.
2. Scroll up or down with the arrow keys and save the changes with the OK button.
3. All the LED's go off and after 2 seconds the standby LED's go on (all red).

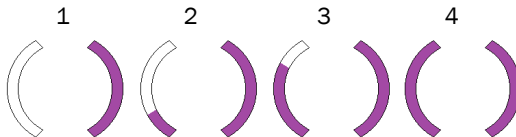


Level	1	2	3	4
Action	Beep Off	Only with the remote	Only with the touch	Touch and remote

LED's FLASH SETTING

For this setting there are 4 levels that enable/disable the LED's flash response to touch and remote uses. The factory default setting is 4.

1. Ensure TV is in standby. Press the BLUE button on the MASTER remote.
2. Scroll up or down with the arrow keys and save the changes with the OK button.
3. All the LED's go off and after 2 seconds the standby LED's go on (all red).



Level	1	2	3	4
Action	Flash Off	Only with the remote	Only with the touch	Touch and remote

CLEANING MODE

The touch control can be temporarily disabled to allow for the glass to be cleaned without activating the TV.

1. Ensure TV is in standby. Press the BLUE button on the WATERPROOF remote.
2. The LED's will flash red and purple for 30 seconds while the touch control is disabled. Normal operation will resume automatically.

TV OPERATION

AUTO TUNING (Analogue and Digital TV)



1. Press LCD MENU button.
2. Scroll left or right until reach CHANNEL menu.
3. Scroll down with the arrow keys and select Auto Tuning with the OK button.
4. Select the country with the left and right arrow keys and press the OK button twice .

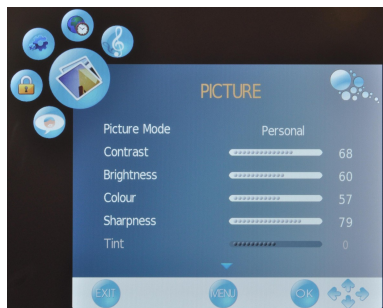
PROGRAMME EDIT



1. Press LCD MENU button.
2. Scroll down with the arrow keys and select Programme Edit with the OK button.
3. To Delete a channel, select the channel scrolling up or down with the arrow keys. Press the Red button twice.
4. To Move a channel, select the channel scrolling up or down with the arrow keys. Press the Yellow button to select the channel and with arrow keys move it and place it with the LCD MENU button.
5. To Skip a channel from the programme, scroll with arrow keys and press the Blue button. The channel will still appear in the programme list and the channel list.
6. To select a Favourite channel, scroll the channels and press the FAV button. These channels will appear when the FAV button is pressed.

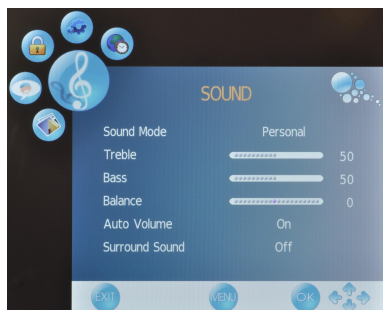
TV OPERATION

PICTURE SETTINGS



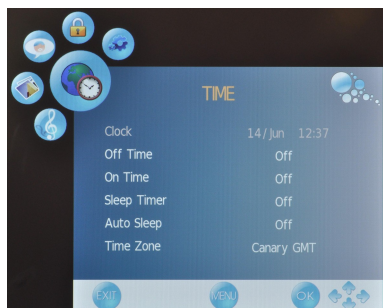
1. Press LCD MENU button.
2. Scroll left or right until reaching the PICTURE menu.
3. Scroll with the arrow keys and save the changes with the OK button. Some modes are predefined and cannot be modified.

SOUND SETTINGS



1. Press LCD MENU button.
2. Scroll left or right until reaching the SOUND menu.
3. Scroll with the arrow keys and save the changes with the OK button. Some modes are predefined and cannot be modified.

TIME SETTINGS



1. Press LCD MENU button.
2. Scroll left or right until reaching the TIME menu.
3. Scroll with the arrow keys and save the changes with the OK button.
4. This menu allows for the TV to be automatically turned ON and OFF at required times.

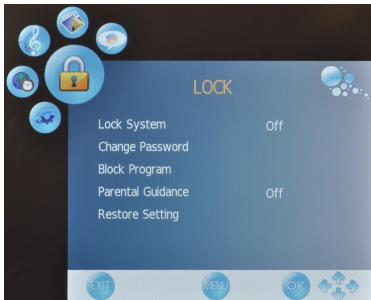
TV OPERATION

SETUP SETTINGS



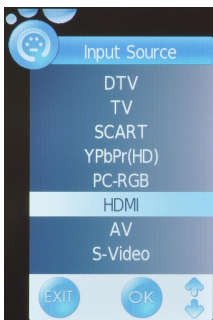
1. Press LCD MENU button.
2. Scroll left or right until reaching the SETUP menu.
3. Scroll with the arrow keys and save the changes with the OK button.
4. This menu allows the menu language, the default audio language and default subtitle language to be changed.

LOCK SETTINGS



1. Press LCD MENU button.
2. Scroll left or right until reaching the LOCK menu.
3. Scroll with the arrow keys and save the changes with the OK button.
4. This menu allows for specific channels to be locked. The default password is "0000".

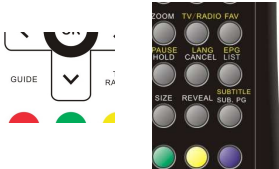
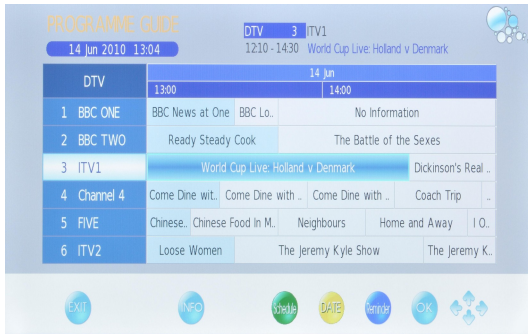
CHANGING INPUT SOURCE



1. Press the INPUT button on the master remote, or SOURCE button on the waterproof remote.
2. Scroll down with the arrow keys and select input source with the OK button.

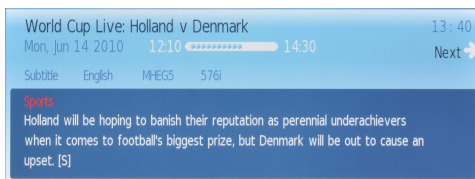
TV OPERATION

PROGRAMME GUIDE



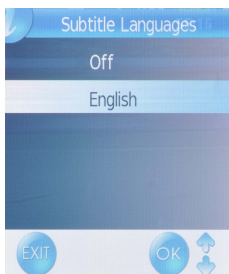
1. Press EPG/LIST button on the master remote or GUIDE on the waterproof remote.
2. Scroll with the arrow keys the move between channels and programmes.
3. To retrieve information of a programme, press the INFO button.
4. To Schedule a programme, scroll over the guide and press the Blue button. The Reminder Menu appears and change the details of the selected programme using the arrow keys. Once all the options have been set, press the OK button. The Schedule menu appears and the selected programmes will be displayed.
5. To display the Schedule programmes, press the Green button from the PROGRAMME GUIDE menu.

INFO



1. Press the INFO button.
2. Scroll right to see information of the next programme with the arrow keys and return with the left key.

SUBTITLE LANGUAGES



1. Press SUBTITLE button.
2. Scroll up & down with the arrow keys and select the language available on your region.

TECHNICAL SPECIFICATIONS

Model: VIDEOSPA19-AE1

TV Unit Dimensions: W x H x D: 568 x 390 x 78mm

VIDEO & AUDIO

Input:	(1) TV	Format:	DVB-T, PAL, SECAM
		Terminal:	IEC 75 Ω
	(1) YPbPr/YCbCr (COMPONENT)	Resolution:	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
		Terminal:	3RCA green, blue and red colour
	(1) S-VIDEO	Terminal:	S-Video terminal black colour
	(1) CVBS	Terminal:	RCA Yellow colour
	(1) PC-RGB	Format:	Up to 1360*768@60Hz 1920*1080@60Hz
		Colour:	16bit, 24bit, 32bit
		Terminal:	Video: VGA
		Sound:	PC: Earphone input
	(1) HDMI Resolution:		480i, 480p, 576i, 576p, 720p, 1080i, 1080p
	(1) SCART		Full Scart
	(1) AV Audio	Terminal:	2 x RCA, red and white colour.
Output:	(1) Audio Terminal		4 x Spring Speaker connector. 3.5w (4 Ω)

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
No LED Light	No input power.	Check the power cable.
		Check if the Green LED on the power supply.
No signal	No signal transmitted / different source.	Check correct source is selected
	No source cable is properly connected.	Check cable connection between TV and source equipment.
	Source equipment is not setup correctly.	Check the external equipment is on and set to display video on the required output port.
No remote response	Batteries ran out.*	Replace the Batteries.
		The waterproof remote comes with power LED .
No sound	Mute is on.	Press the Mute button.
	Volume is set too low.	Press the VOL+ button.
	No Speaker is connected.	Check connection between TV and speaker.
No sound for PC input	The audio cable is not connected correctly.	Check the cable is connected between the PC line out and the TV's line in connection. See P.9.
RS232 does not work	Transmission protocol is incorrect.	Check the transmission protocol. See P.10.
	If a non standard RS232 cable is not used, the connector pin out could it be wrong.	Check the DB9 male pin out.

** It is possible to check the remotes' IR transmitters are working. If the remotes' IR emitter is viewed through a digital camera (phone camera works too) and a button is pressed, this will flash. If it does not then replace the batteries.*

APPENDIX A

RS232 COMMANDS

COMMAND	DATA	CHECK
POWER	0A	F6
MUTE	0F	F1
1	01	FF
2	02	FE
3	03	FD
4	04	FC
5	05	FB
6	06	FA
7	07	F9
8	08	F8
9	09	F7
0	00	FF
CH+	1F	E1
CH-	1E	E2
VOL+	58	A8
VOL-	4B	B5
UP	0B	F5
DOWN	0E	F2
LEFT	10	F0
RIGHT	11	EF
OK	4A	B6
EXIT	4C	B4
SOURCE	41	BF
RETURN	1D	E3

COMMAND	DATA	CHECK
MENU	0D	F3
PMODE	1A	E6
SMODE	51	AF
TV/RADIO	4D	B3
SLEEP TIMER	0C	F4
INFO	42	BE
ZOOM	12	EE
TTX	44	BC
GUIDE	1C	E4
SUBTITLES	19	E7
RED	16	EA
GREEN	17	E9
YELLOW	18	E8
BLUE	19	E7
DISCREET ON	E0	20
DISCREET OFF	E1	1F
DTV	E8	18
ATV	E7	19
SCART	EA	16
YPbPr(HD)	D3	2D
PC-RGB	E9	17
HDMI	EB	15
AV	EC	14
S-VIDEO	E5	1B



Please make a note of the model and serial numbers:

Model Number

Serial Number

Sales and Support Information

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